CLAIMS

What is claimed:

1. An apparatus for detachably mounting a device to a rail having generally oppositely facing first and second edges, each having adjacent front and back faces, the apparatus comprising:

a bracket on the device, the bracket having a recess for receiving the first edge of the rail, the recess including a lip for engaging the back face of the rail adjacent the first edge;

a clamp on the device, the clamp having a resilient wing for resiliently engaging the front face of the rail, proximal to the engagement between the rail and the lip; and

a latch for engaging the back face of the rail adjacent the second edge against the bias of the clamp.

2. The apparatus according to claim 1, wherein the clamp comprises two wings disposed on opposite sides of the bracket.

3. The apparatus according to claim 1, wherein the clamp has a generally C-shaped cross-section, with a substantially flat central section disposed between the bracket and the device.

4. The apparatus according to claim 3, wherein the clamp has an opening therethrough for receiving a portion of the bracket.

5. The apparatus according to claim 1, wherein the latch is movably coupled to the device to slidably engage the back face of the rail adjacent the second edge in a first direction and to slidably disengage the rail in a second direction.

6. A housing comprising the apparatus according to claim 1.

7. In combination with a rail having generally oppositely facing first and second edges, each having adjacent front and back faces, a device detachably mounted to the rail, the device comprising:

a bracket having a recess for receiving the first edge of the rail, the recess including a lip for engaging the back face of the rail adjacent the first edge;

a clamp having a resilient wing for resiliently engaging the front face of the rail, proximal to the engagement between the rail and the lip; and

a latch for engaging the back face of the rail adjacent the second edge against the bias of the clamp.

8. The combination according to claim 7, wherein the clamp comprises two resilient wings disposed on opposite sides of the bracket.

9. The combination according to claim 7, wherein the clamp has a generally C-shaped cross-section, with a substantially flat central section disposed between the bracket and the device.

10. The combination according to claim 9, wherein the clamp has an opening therethrough for receiving a portion of the bracket.

11. The combination according to claim 7, wherein the latch is movably coupled to the device to slidably engage the back face of the rail adjacent the second edge in a first direction and to slidably disengage the rail in a second direction.

12. A housing detachably mountable to a rail having generally oppositely facing first and second edges, each having adjacent front and back faces, the housing comprising:

a bracket defining a recess for receiving the first edge of the rail, the recess including a lip for engaging the back face of the rail adjacent the first edge;

a clamp including a resilient wing for resiliently engaging the front face of the rail, proximal to the engagement between the rail and the lip; and

a latch for engaging the back face of the rail adjacent the second edge against the bias of the clamp.

13. The housing according to claim 12, wherein the clamp comprises two wings disposed on opposite sides of the bracket.

14. The housing according to claim 12, wherein the clamp has a generally C-shaped cross-section, with a substantially flat central section disposed between the bracket and the device.

15. The housing according to claim 14, wherein the clamp has an opening therethrough for receiving a portion of the bracket.

16. The housing according to claim 12, wherein the housing defines a plurality of generally rectangular openings for venting an area between the housing and a component positioned within the housing.

17. The housing according to claim 16, wherein the openings are arranged in a plurality of rows, each row being generally perpendicular to a front surface of the housing.

18. The housing according to claim 12, wherein the housing includes a beveled front surface.

19. The housing according to claim 12, wherein the latch is movably coupled to the housing to slidably engage the back face of the rail adjacent the second edge in a first direction and to slidably disengage the rail in a second direction.

20. An electrical power supply comprising the housing according to claim 12.

21. An apparatus for detachably mounting a device to a rail having generally oppositely facing first and second edges, each having adjacent front and back faces, the apparatus comprising:

means, coupled to the device, for defining a recess for receiving the first edge of the rail, the recess including a lip for engaging the back face of the rail adjacent the first edge;

means, coupled to the device, for resiliently engaging the front face of the rail, proximal to the engagement between the rail and the lip; and

means for engaging the back face of the rail adjacent the second edge against the bias of the means for resiliently engaging. .

22. A method for detachably mounting a device to a rail having generally oppositely facing first and second edges, each having adjacent front and back faces, the method comprising:

positioning the first edge of the rail within a recess defined by a bracket on the device, the positioning engaging a lip of the recess with the back face of the rail adjacent the first edge and resiliently engaging a wing of a clamp on the device with the front face of the rail, proximal to the engagement between the rail and the lip; and

engaging a latch with the back face of the rail adjacent the second edge against the bias of the clamp.

23. The method according to claim 22, wherein the method includes coupling the clamp to the device by positioning a portion of the clamp between the device and the bracket.

24. The method according to claim 23, wherein the clamp has a generally C-shaped cross-section with a substantially flat central section, and wherein the coupling includes positioning the substantially flat central section between the bracket and the device.

25. The method according to claim 23, wherein the clamp has an opening therethrough, and wherein the coupling includes receiving a portion of the bracket, through the opening of the clamp.